

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings of claims in the application:

Listing of Claims:

1. (original) A suspension having a magnetic head assembly mounted thereon, said magnetic head assembly comprising:

a write head for writing information to a recording medium;

a read head for reading said information from said recording medium; and

a resistive heating element for controlling flying heights of said write head and said read head;

wherein in wiring from each terminal of said write head, said read head, and said resistive heating element to said suspension, wires of said resistive heating element are disposed such that they sandwich wires of said read head.

2. (original) The suspension of claim 1 wherein a waveform of a current or a voltage to said resistive heating element has a time constant of 1 μ sec or more.

3. (original) A suspension having a magnetic head assembly mounted thereon, said magnetic head assembly comprising:

a write head for writing information to a recording medium;

a read head for reading said information from said recording medium; and

a resistive heating element for controlling flying heights of said write head and said read head;

wherein in wiring from each terminal of said write head, said read head, and said resistive heating element to said suspension, wires of said resistive heating element are disposed between wires of said write head and wires of said read head.

4. (original) The suspension of claim 3 wherein a waveform of a current or a voltage to said resistive heating element has a time constant of 1 μ sec or more.

5. (canceled)

6. (currently amended) [[The]] A suspension [[of claim 5]] having a magnetic head assembly mounted thereon, said magnetic head assembly comprising:
a write head for writing information to a recording medium;
a read head for reading said information from said recording medium;
a resistive heating element for controlling flying heights of said write head and said read head; and
a programmable voltage or current source for supplying power to said resistive heating element to allow for variations in the power supplied to said resistive heating element to account for variations in the flying height due to variations in the manufacturing process of said write head and said read head,

wherein a waveform of a current or a voltage to said resistive heating element has a time constant of 1 μ sec or more.

7. (original) A suspension having a magnetic head assembly mounted thereon, said magnetic head assembly comprising:

a write head for writing information to a recording medium;
a read head for reading said information from said recording medium;
a resistive heating element for controlling flying heights of said write head and said read head; and
a voltage or current source for supplying power to said resistive heating element;

wherein in wiring from each terminal of said write head, said read head, and said resistive heating element to said suspension, wires of said resistive heating element are disposed to provide shielding of said read head.

8. (original) The suspension of claim 7 wherein said voltage or current source is configured not to switch during a data or servo signal read operation.

9. (original) A suspension having a magnetic head assembly mounted thereon, said magnetic head assembly comprising:

a write head for writing information to a recording medium;

a read head for reading said information from said recording medium;

a resistive heating element for controlling flying heights of said write head and said read head; and

a current or voltage source for supplying power to said resistive heating element, said current or voltage source providing a waveform having a time constant of 1 μ sec or more.

10. (original) The suspension of claim 9 wherein in wiring from each terminal of said write head, said read head, and said resistive heating element to said suspension, wires of said resistive heating element are disposed to provide shielding of said read head.